

Work Order ID 128217

Tuesday, January 13, 2015 1:25:43 PM

128217

Page 1

Item ID: D3202-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Cover
 Start Date: 1/13/2015 Start Qty: 16.00 ***16*** Cust Item ID:
 Required Date: 1/20/2015 Req'd Qty: 16.00 ***16*** Customer:
 Reference:

Approvals: Process Plan: MCS Date: 15-01-13 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3202	Rev D

100

0.00

100

Waterjet

FLOW CNC Waterjet

5052 032

Memo

1-Cut as per Dwg D3202

Dwg Rev: D

Prog Rev: D

2-Deburr if necessary

0.00

(12)

15/02/21

110

QC2- Inspect parts off machine FAI/FAIB

0.00

110

QC

Quality Control

Memo

0.00

(12)

15/02/21

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Page 2

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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC8- Inspect parts - second check	0.00							DAS 38 9-89
120						(12)			
QC	Memo	0.00							
Quality Control									FEB 23 2015
130	Chemical Conversion Coat per QSI005 4.1	0.00							
130						12	Ø	15-3-9	Dec
HandFinish	Memo	0.00							
Hand Finishing									
140	Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3	0.00							
140						12	Ø	15-3-12	DAS 34 9-89
Powdercoat	Memo	0.00							
Powder Coating	START TIME: 2:30 OVEN TEMPERATURE: 320° FINISH TIME: 3:10								

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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence
		☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge
		☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other

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Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Item Name: Cover

Start Date: 1/13/2015 **Start Qty:** 16.00

16

Cust Item ID:

Required Date: 1/20/2015 **Req'd Qty:** 16.00

16

Customer:

Reference:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____
QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

Run	Start	*NR1*
	Stop	*NR2*

[illegible]

MAR 13 2015

160	Identify as per dwg & Stock Location: <u>SFAS</u>	0.00
160		
Packaging	Memo	0.00
Packaging		

12 DAS
6
9-89

MAR 18 2015

170	QC21- Final Inspection - Work Order Release	0.00
170		
QC	Memo	0.00
Quality Control		

ML5 .. 1503-19

ML5

15-3-18

DQA: _____ Date: _____



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Unapproved									

FAULT CATEGORY

Landing Gear	General	Other
☐ Bending	☐ Bend	☐ Folio/Program
☐ Centre Not Concentric	☐ BOM/Route	☐ Grain
☐ Cracks	☐ Broken/Damage/Defect	☐ Hardware
☐ Crimp/Kink/Ripple/Wave	☐ Burrs	☐ Inspection Incomplete/Unqualified
☐ Cuffs	☐ Contamination	☐ Instructions Incomplete/Unclear
☐ Crushing	☐ Countersink	☐ Misaligned/off center
☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled
☐ Inspection Strip in Tube	☐ Drawing	☐ Misread
☐ Marks/Chatter	☐ Drill Holes	☐ Off-set
☐ Turning Sequence	☐ Finish	☐ Out of Calibration
☐ Wave/Twist in Tube	☐ Fit/Function	☐ Out of Sequence
		☐ Outside Dimensions
		☐ Over/Under tolerance
		☐ Part Incorrect
		☐ Part Lost/Missing
		☐ Part Moved
		☐ Positioned Wrong
		☐ Power Loss/Surge
		☐ Pressure/Forced
		☐ Set-up
		☐ Temperature/Cure
		☐ Weld
		☐ Wrong Stock Pulled
		☐ Other

Picklist Print

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Page 1

Work Order ID: 128217

128217

Parent Item: D3202-1

D3202-1

Parent Item Name: Cover

Start Date: 1/13/2015

Required Date: 1/20/2015

Start Qty: 16.00

Required Qty: 16.00

Comments: IPP Rev:B No Longuer Made In House 05-11-06 JLM
 IPP Rev:C Now on Waterjet 07-04-18 JLM
 IPP Rev:D chg to revC as per dwg 08-04-21 DD verified
 by:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M5052H32S.032		Purchased	No			100	sf	103.0000	1.551	27			

M5052H32S 032

5052-H32 .032 Sheet

**

DL15/02/21

Location

Loc Qty

Loc Code

MAT023

103

116657

16.25

121040

15.25

m126593

71.5

13 ~~12.8229~~
 8 ~~8.0729~~

20.8958

8.0729
 4.75

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Training									
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Unapproved									

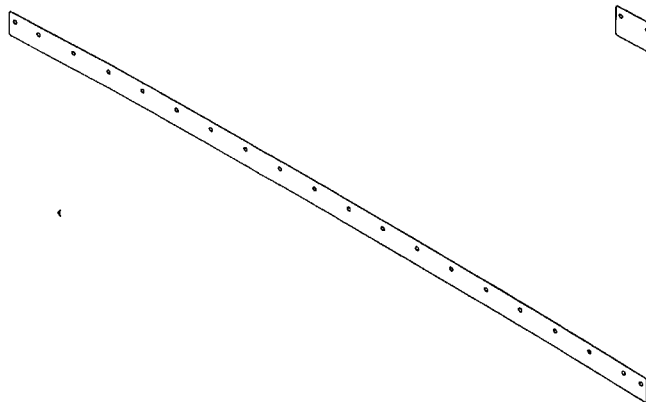
FAULT CATEGORY

Landing Gear	General		
☐ Bending	☐ Bend	☐ Folio/Program	☐ Outside Dimensions
☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance
☐ Cracks	☐ Broken/Damage/Defect	☐ Hardware	☐ Part Incorrect
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			☐ Wrong Stock Pulled
			☐ Other

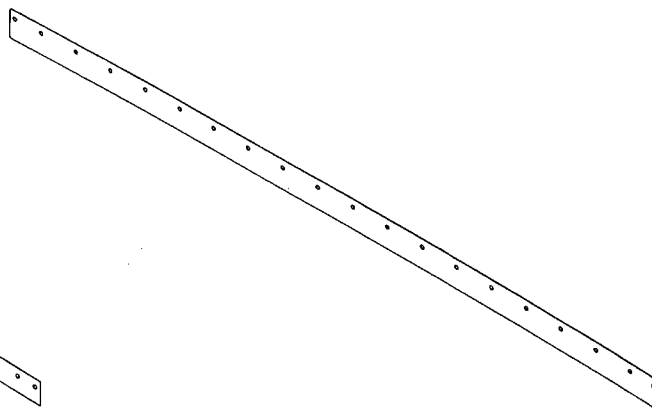
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SHOP COPY
DELIVER TO
ENGINEERING
FOR REVIEWED COPY
FOR REVISIONS
FOR NOTICE
FOR WORK

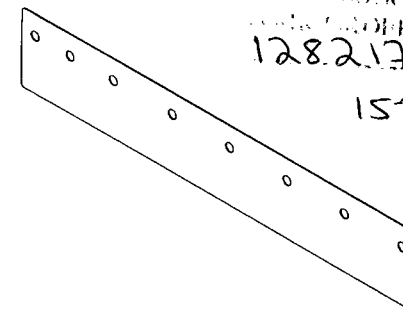
128.217 MJS
1501-13



D3202-1 COVER



D3202-3 COVER
(COMPOSITE DOOR)



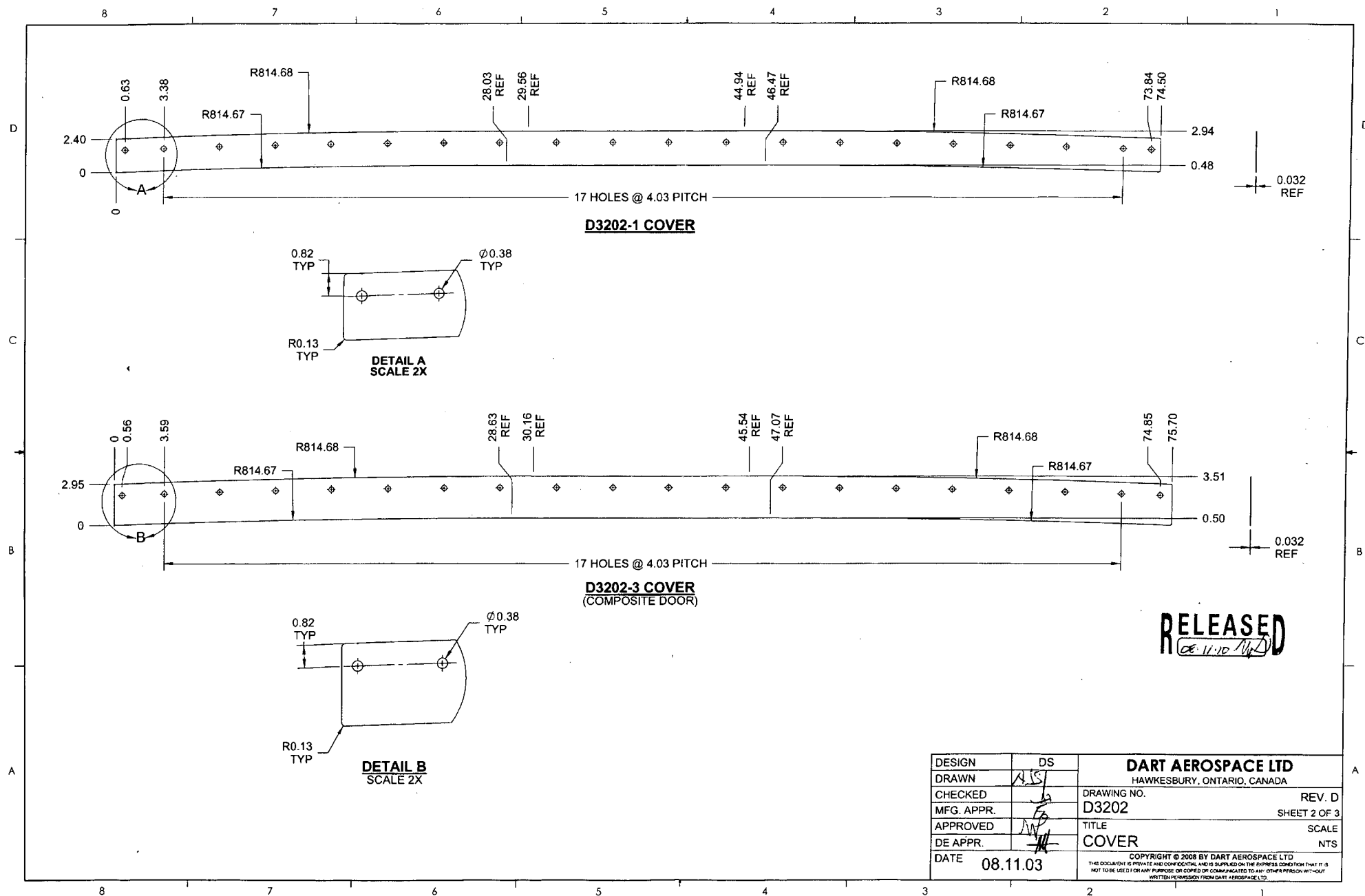
D3202-5 COVER
(HINGE PANEL DOOR MOD)

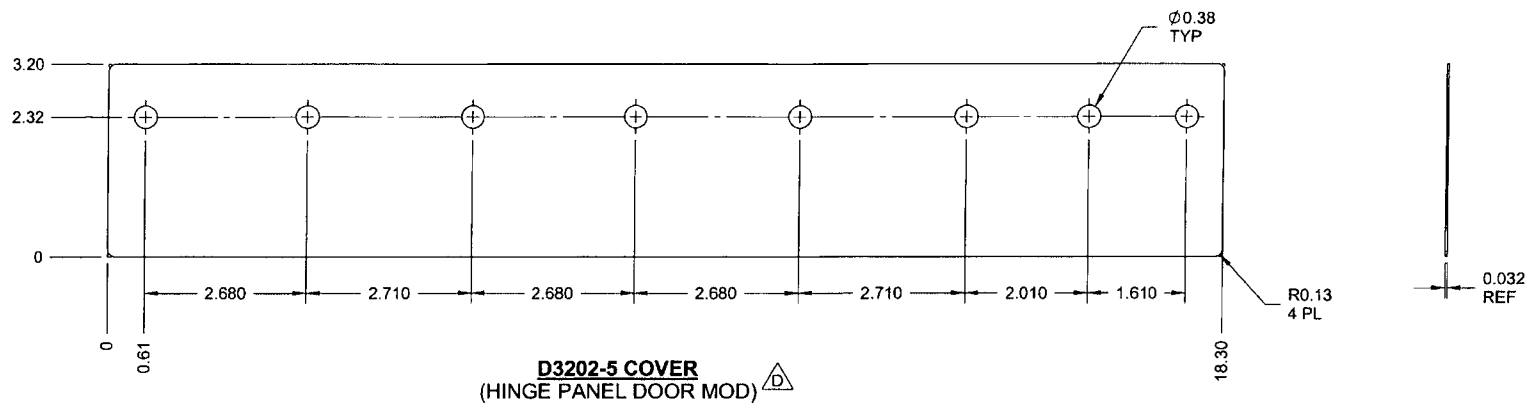
RELEASED
08.11.03

NOTES:

- 1) MATERIAL: 5052-H32 ALUMINUM SHEET, 0.032 THICK
PER AMS-QQ-A-250/8 OR AMS 4016
REF. DART SPEC M5052H32S.032
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT GREY SANDTEX (4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3202-X" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.56 lbs APPROX FOR -1
: 0.61 lbs APPROX FOR -3
: 0.18 lbs APPROX FOR -5

D	ADD -5 FOR HINGE PANEL DOOR MOD.	AJS	08.11.03
C	ADD -3 FOR COMPOSITE DOOR. REFORMAT ENTIRE DRAWING TO SOLIDWORKS STANDARD. INCORPORATE CHANGE B1 (CLARIFY MID-SPAN DIMENSION)	AJS	08.03.31
B	RE-DESIGN PART NOW CURVED	CP	03.10.16
A	NEW ISSUE	CP	01.01.01
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. D
MFG. APPR.		D3202	SHEET 1 OF 3
APPROVED		TITLE	SCALE
DE APPR.		COVER	NTS
DATE	08.11.03	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMING INTO THE HANDS OF ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	





RELEASED
08.11.03

DESIGN	DS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. D
MFG. APPR.		D3202	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		COVER	NTS
DATE	08.11.03	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMERCIAL TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	